

## Word description

- ①  $\text{NaNH}_2$  (sodium amine) which is our first reagent added  $\rightarrow$  Sodium Carbene
- ② Sodium Carbene synthesize with  $\text{CH}_3\text{I}$ .
- ③ the Na in the reaction turns to  $\text{NaI}$
- ④ NBC creates 1,2-bromo alkyne. ( $\text{NaNH}_2$  analyzes with  $\text{CH}_3\text{I}$ )
- ⑤  $\text{NaHCO}_3$ , Toluene and  $\text{CH}_3\text{Br}$  presence  $\rightarrow$  final product forms  
 $\downarrow$   
tremorine